


## NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. WHEN EDITING DETAIL TO SUIT PROJECT, ADD JOB SPECIFIC REQUIREMENTS AND DELETE ONLY THOSE PORTIONS THAT DO NOT APPLY. TO SEEK A VARIANCE FROM APPLICABLE REQUIREMENTS, CONTACT THE ESM MECHANICAL POC.
2. SIZE PRV PER MANUFACTURER'S INSTRUCTIONS.
3. REFER TO THE FOLLOWING LANL STANDARDS FOR ADDITIONAL REQUIREMENTS:
  - A. ENGINEERING STANDARDS MANUAL, MECHANICAL CHAPTER.
  - B. SPEC 15140, POTABLE AND [NON-POTABLE] WATER PIPING.
  - C. MECH DRAWING ST-D2020-1, SITE/BUILDING WATER COMPONENT DIAGRAM.
4. SUGGESTED PRV SETTINGS:
  - A. BUILDING SERVICE; LEAD PRV NORMALLY SET AT APPROXIMATELY 55-60 PSIG WITH THE LAG PRV SET 3-5 PSIG LOWER.
  - B. MISCELLANEOUS (TRAILERS AND TRANSPORTABLES): NORMALLY SET AT 40 PSIG.
  - C. MAKE-UP WATER SYSTEMS (HEATING, COOLING, COOLING TOWERS, BOILERS, ETC.); NORMALLY SET AT 15-20 PSIG.
5. OTHER FILTERING DEVICES, (CENTRIFUGAL SEPARATORS, CARTRIDGE FILTERS, ETC.) MAY BE USED IN LIEU OF A STRAINER WHEN REQUIRED.

DRAWING DEVELOPED FOR ML-3/  
ML-4 PROJECTS. FOR ML-1/  
ML-2, ADDITIONAL REQUIREMENTS  
AND QA REVIEWS ARE REQUIRED.  
(REMOVE THIS NOTE WHEN IN-  
SERTED INTO A DRAWING PACK-  
AGE).

2	8-14-02	U	EDITORIAL CHANGES & DWG NO. WAS ST6122.	RP	RF	RR	GG	TO
1	9-6-02	U	GENERAL REVISION.	RP	JR	GG	GG	TO
NO	DATE	CLASS	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP


**FACILITY & WASTE OPERATIONS  
DESIGN ENGINEERING CONSTRUCTION SERVICES**

<b>ENGINEERING STANDARDS MANUAL</b>		DRAWN	R.PEARSON
DESIGN		CHECKED	R.FROST
CHECKED		DATE	6-28-99
G.GREWAL			

BLDG X TA-X

SUBMITTED	APPROVED FOR RELEASE
DISCIPLINE POC: GURINDER GREWAL	STANDARDS MANAGER: TORIN ORUCH

SHEET **3**

**Los Alamos  
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Los Alamos, New Mexico 87545

CLASSIFICATION U	REVIEWER LARRY BAYS	DATE	3 OF 3
PROJECT ID	DRAWING NO	REV	
CHAPTER 6	ST-D2020-2	2	